**DEPARTMENT OF INFORMATION TECHNOLOGY**

**SUBJECT: - WIRELESS NETWORKS**

**SEM: - VI YEAR: - T.E.**

**ASSIGNMENT NO.1**

**Unit No. - II : Evolution of Wireless Technologies**

**Objectives :** Learn and analyze the different wireless technologies

**Outcomes :** Students will be able to demonstrate the different wireless technologies such as

CDMA, GSM, GPRS etc

**Question**

1. Explain how power control implemented in CDMA? [10M]

2. Explain the GSM architecture and explain how authentication and encryption is provided in GSM

[10M]

3. Write a short note on handoff strategies [05M]

4. What is softer and soft handoff in CDMA? [05M]

5. What is role of GPRS in GSM? [05M]

6. Draw and explain the cdma2000 evaluation path [10M]

7. Explain the EDGE network architecture [05M]

8. Explain the CDMA architecture in detail [10M]

9. Explain the FDMA, TDMA and CDMA in detail [10M]

10. Write a short note on LTE [05M]

11. Explain the CSMA/ CA technique [05M]

12. Write a short note on LTE [05M]

13. Explain about persistent-1, non- persistent and persistent-p [05M]

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| **Issue date** | **Submission date** | **Subject In-charge** |
| **27/02/2019** | **11/03/2019** | **Prof J.M.HATWAR** |
| **BOOKS:-** 1) Wireless communication and networking, Vijay Garg  2) Wireless Communications and networks", William Stallings, Pearson / Prentice Hall  3) Wireless Mobile Internet Security, 2nd Edition, Man, Young Rhee, Wiley- IEEE  4) Wireless Networks by Nicopoliditis | | |